

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

REC'D AUG 04 1987

DPM 6141

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

REC'D DEC 15 1987

<i>Wilco Associates</i>		SECTION I
MANUFACTURER'S NAME Products Research and Chemical Corporation		EMERGENCY TELEPHONE NO. (213) 242-6815
ADDRESS (Number, Street, City, State, and ZIP Code) 5454 San Fernando Road, Glendale, CA 91203		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS PRO-SEAL 815
CHEMICAL FAMILY N/A	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Ethanol	80+	1,000	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIONAL Methyl Benzene	10	100	OTHERS		
OTHERS <i>propane propellant</i>					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES <i>per Mr. Young</i>					% TLV (Units)
Dentured alcohol used. May contain methanol, ethyl acetate, or MIBK as denaturant.					

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	165-175°F.	SPECIFIC GRAVITY (H ₂ O=1)	.80
VAPOR PRESSURE (mm Hg.)	~45	PERCENT, VOLATILE BY VOLUME (%)	95+
VAPOR DENSITY (AIR=1)	1.7	EVAPORATION RATE (_____ =1)	2.9
SOLUBILITY IN WATER	slightly miscible		
APPEARANCE AND ODOR	Slight yellow tinged clean fluid with characteristic alcohol		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT (Method used)	45°F. set-a-flash	FLAMMABLE LIMITS Alcohol	<table border="1"> <tr> <td>Lel</td> <td>Uel</td> </tr> <tr> <td>3.3</td> <td>19</td> </tr> </table>	Lel	Uel	3.3	19
Lel	Uel						
3.3	19						
EXTINGUISHING MEDIA CO ₂ , dry chemicals, foam							
SPECIAL FIRE FIGHTING PROCEDURES May use water spray to reduce rate of burning and to cool containers.							
Wear goggles and self-contained breathing apparatus approved by NIOSH.							
UNUSUAL FIRE AND EXPLOSION HAZARDS Flammable liquid.							

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

1000 ppm (value for alcohol) 100 ppm (value for toluene)

EFFECTS OF OVEREXPOSURE

Toxic by methanol denaturant content, not potable. Narcotic, irritation to eyes and mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: remove to fresh air. Skin: wash with soap and water.

Ingestion: induce vomiting, call a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Note flashpoint section IV
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
Carbon oxides, aldehydes			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Heat - CO ₂ as propellant

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Handle as other flammable liquids. Remove ignition sources. Large spills: dike, mop up into drums and keep out of sewers.

WASTE DISPOSAL METHOD

Waste disposal should be in accordance with Federal, State and Local regulations. Puncture empty container prior to disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
At floor level		
Recommended		
PROTECTIVE GLOVES	Recommended	EYE PROTECTION
		Recommended
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

-Keep away from flames, heat and other ignition sources.

Do not store in direct sun. Keep containers closed.

OTHER PRECAUTIONS

Follow OSHA regulation, e.g. para. 1910.106 "flammable and combustible liquids"